

## **CHAPTER 2**

### **POPULATION AND WATER USE**

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The Chino 1 and 2 Desalters are owned by the CDA and serve the dual purpose of providing a reliable water supply and managing groundwater quantity and quality in the region. To make the desalter projects financially viable, each of the CDA member agencies agrees to purchase a minimum amount of the Desalters' production. Purchase commitments through 2006 are presented in Table 1-2. Rather than being demand driven, these minimum purchase commitments form a fixed portion of the water supply portfolios of each of the retail CDA water agencies.

#### **2.1 CURRENT POPULATION**

The service areas and the characteristics of each of the CDA retail water agencies are described in detail in each agency's own UWMP. The estimated present population of each agency is presented in Table 2-1. It is important to note however, that these populations are not entirely served by the CDA supply. Rather, only a portion of each agency's population is actually served by the CDA Desalters and there has been no attempt to quantify what proportion of the population currently receives the service. Accordingly, the function of the CDA, and the construction and operation of the existing and future Chino Basin Desalters are not necessarily a condition of population and water demand; but are more a function of water quality management and hydraulic control to prevent low quality groundwater from migrating out of the Chino Basin and surfacing in the Santa Ana River.

**Table 2-1 Population in 2005 CDA Member Agency Service Areas**

<b>Member Agency</b>	<b>Population in 2005</b>
City of Chino	76,100
City of Chino Hills	77,800
City of Ontario	163,100
City of Norco	25,500
Santa Ana River Water Company	7,920
Jurupa Community Services District	70,000
<b>Total CDA Population</b>	<b>420,420</b>

#### **2.2 CONVERSION OF AGRICULTURAL USE TO URBAN USE**

CDA member agencies service areas are experiencing rapid urban growth. Much of the historic agricultural and dairy land use is undergoing conversion to urban land uses, Figure 2-1 shows the area of expected conversion of agricultural land (in the former San Bernardino Agricultural Preserve and agricultural land in Riverside County) to urban use. This area is projected to add

in excess of 200,000 people and increase water demand by 60,000 AFY.<sup>1</sup> A large portion of this demand will be satisfied from desalter production and recycled water. Recycled water is not a service provided by the CDA, but is discussed in detail in the member agency's UWMP including the IEUA and WMWD UWMPs.

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<sup>1</sup> Estimated value based on 270 gpd per person.

